

Title (en)
Vehicle roll angle estimator and method

Title (de)
Methode und Gerät zur Abschätzung des Kraftfahrzeugrollwinkels

Title (fr)
Méthode et dispositif d'estimation de l'angle de roulis d'un véhicule

Publication
EP 1346883 A3 20040609 (EN)

Application
EP 03075524 A 20030224

Priority
US 9203702 A 20020306

Abstract (en)
[origin: US2002128795A1] An attitude angle estimator and method of estimating attitude angle of a vehicle having an angular attitude rate sensor sensing angular attitude rate of a vehicle, a vertical accelerometer sensing vertical acceleration, and a lateral accelerometer sensing lateral acceleration. An attitude angle estimate is produced and is updated as a function of the sensed angular attitude rate. An acceleration-based attitude angle is determined as a function of the sensed accelerations, and a blending coefficient is provided. A current vehicle attitude angle estimate is generated as a function of the updated attitude angle estimate, the acceleration-based attitude angle, and the blending coefficient.

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CPC (source: EP US)
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Citation (search report)
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• [X] EP 1101658 A1 20010523 - VISTEON GLOBAL TECH INC [US]
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US 2002128795 A1 20020912; US 6678631 B2 20040113; DE 60321415 D1 20080717; EP 1346883 A2 20030924; EP 1346883 A3 20040609; EP 1346883 B1 20080604

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